EXHIBIT 11

SABLE COMMUNITY BROADCASTING CORPORATION
711 CHURCH ST./HOBSON CITY, ALABAMA 36201/ (205) 237-6144

1. *This proposed minority station will have less than five (5) <u>fulltime</u> employees, but will adhere to the equal opportunity program at all times with its employees.*

   Our Board is made up of majority women who are Black.

   Our present radio staff is made of majority women who are Black.

1. *DNA*

SECTION V-B

FM ENGINEERING DATA	Name of applicant: Sable Community Broadcasting, Corporation	FOR COMMISSION USE ONLY File No.

1. Purpose of authorization applied for: [X] Construct a new station [ ] Make changes in authorized Radio station

(a) If this is not for a new station, summarize briefly the nature of the changes proposed.

(b) If this is an application (or amendment thereto) to make changes in an existing station or to amend application for a new station is the change being made to one of the following?

(1) Frequency (2) Station location (3) Class [ ] Yes [ ] No

(c) If Yes, this constitutes a major change. Question 3(a) on page 1 of Section I of this form should be answered accordingly.

2. Facilities requested

Frequency	Transmitter power output
91.3 MHz FM Channel 217A	295 watts

Proposed transmitter location

State	County	City
Alabama	Calhoun	Hobson City

Street address (or other identification): Girl Scout Building off of Park Avenue

4. Proposed location of main studio

State	County
Alabama	Calhoun

City or town	Street address
Hobson City	to be determined

Other studios proposed: none

5. Transmitter

Make	Type No.	Rated power
QEI	675T300	300 watts

(If the above-transmitter has not been accepted for licensing by the F.C.C., attach as Exhibit No. N/A a complete showing of transmitter details. Showing should include schematic diagram and full details of frequency control. If changes are to be made in licensed transmitter include schematic diagram and give full details of frequency change.)

6. Transmission line proposed to supply power to the antenna from the transmitter

Make	Type No.	Description
Cablewave	FLC-78-50J	foam coax

Size (nominal transverse dimension)	Length	Rated efficiency for this length
7/8 inches	200 ft.	84.7 %

7a. Antenna Structure

Is the proposed construction in the immediate vicinity or does it serve to modify the construction of any AM, FM or TV broadcast station or other class of radio station? [ ] Yes [X] No

If Yes, attach as Exhibit No. N/A complete engineering data thereon.

Attach as Figure 1 a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features.

Overall height above ground (without obstruction lighting): 200 ft.

Height of antenna radiation center above mean sea level: Horizontal 1225 ft. Vertical 1225 ft.

Georgraphical coordinates of antenna (to nearest second)

North Latitude 33 ° 37 ' 03 "

West Longitude 85 ° 51 ' 46 "

7b. Antenna Data

Make	Type No. or description
Shively Labs	6812-4

Antenna power gain		No. of Sections	
Horizontal	2.0	Horizontal	4
Vertical	2.0	Vertical	4

Is horizontal polarization proposed? [X] Yes [ ] No

If No, attach as Exhibit No. * complete engineering data on the antenna and the effective radiated power proposed.

*Circular Polarization

Is directional antenna proposed? [ ] Yes [X] No

If Yes, attach as Exhibit No. N/A complete engineering data thereon.

8. If this is a major environmental action attach as Exhibit No. N/A a sufficient number of aerial photographs taken in clear weather at appropriate attitudes and angles to show the nature of the surrounding terrain in the vicinity of the proposed transmitter site. The photographs must be marked so as to show compass directions. Photographs taken in eight different directions from an elevated position on the ground will be acceptable in lieu of the aerial photographs if the area can be clearly shown. Give date photographs were taken.

9. Proposed Operation - Power

Transmitter output power	Dissipation within transmission line	Antenna Input power	Effective radiated power	10. Modulation Monitor Make	Type No.
0.295 kw	0.045 kw	0.250 kw	Horizontal 0.500 kw Vertical 0.500 kw	Belar	FMM-1 FMS-1

10. Attach as Figure 2 a map (Sectional Aeronautical Charts where obtainable) showing the present and proposed 1mV/m (60dbu) contours.
Enter the following from Exhibit above:
Gain Area 417.9 Sq. mi. Loss Area -------- Sq. Mi.
Percent change (gain area plus loss area as percentage of present area) 100% If 50% or more this constitutes a major change. Indicate in question 3(a), Section I, accordingly.

11(a). Attach as Figure 3 maps showing the nature of the terrain, etc., within 25 kilometers (15 miles) of the proposed antenna location . *Where obtainable, 7½ minute topographic maps, such as U.S. Geological Survey quadrangles, shall be used.* If these maps are not available, the next best available maps shall be used. In addition the following shall be indicated on map:

(1.) Proposed transmitter and main, studio locations accurately plotted;
(2.) Transmitter location and call letters of all known radio stations (except amateur and citizens band) and the location of established commercial and government receiving stations within 2 miles of the proposed transmitter location;
(3.) Character of the area within 2 miles of transmitter location, suitably designated as to residential, business, industrial and rural nature;
(4.) At least eight radials each extending to a distance of ten or more miles from the proposed transmitter location.

(b) Attach as Figure 4 profile graphs for the radials in 11 (a)(4). Each graph shall show the elevation of the antenna radiation center. Identify each graph by its bearing from the proposed transmitter location. Direction true north shall be a zero azimuth and angles measured clockwise. *Show source of topographical data and scale of miles on each.*

12. From the profile graphs in 11(b), for the eight mile distance between two and ten miles from the proposed transmitter location, and in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules, supply the following tabulation of data: (If proposed location is adjacent to the sea coast or the Great Lakes omit from this tabulation all radials which lie over water substantially the entire distance between two miles from the proposed transmitter location and the predicted 50 microvolt per meter contour.)

Radial bearing (degrees true)	Average elevation of radials (2-10 mi.) above mean sea level	Height of antenna radiation center above average elevation of radial (2-10 mi.)	Predicted distance to the 1mV/m contour	Predicted distance to the 50 uv/m contour
0°	735 feet	490 feet	12.0 mi.	mi.
45°	994	231	8.1	
90°	677	548	12.7	
135°	835	390	10.5	
180°	806	419	10.9	
225°	634	591	13.0	
270°	708	517	12.2	
315°	718	507	12.1	

Antenna height above average terrain
(Average of above listed heights)
Horizontal 462 ft.
Vertical 462 ft.

Allocation Studies
(See Subpart C of Part 73 of the Commission's Rules and Regulations)

13. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

14. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. N/A information required in 1/.

15. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz.) attach as Exhibit No. a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:

(a) The normally protected, the interference-free and the interfering contours for the proposed operation along all azimuths.
(b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
(c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
(d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
(e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
(f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
(g) A scale of miles and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
(h) The name of the map(s) used in the exhibit(s).

Please refer to the attached Engineering Exhibit.

16. Is the proposed antenna location within 403 kilometers (250 miles) of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Working Arrangement for Allocation of FM Broadcasting Stations on Channels 221-300 under The Canada-United States FM Agreement of 1947.

17. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. N/A information required in 1/ (separation requirements involving intermediate frequency (i.f.) interference)

1/ A showing that the proposed operation meets the minimum distance separation requirements. If any separations are proposed that are less than the applicable minimum separation requirements plus 15 kilometers, include these stations. Also include existing stations, proposed stations, and cities which appear in the Table of Assignments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

18. Is the proposed operation on Channel 218, 219 or 220? ☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A information required in 1/ regarding separation requirements with respect to stations on channels 221, 222, and 223.

19. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised? ☒ Yes ☐ No

If Yes, attach as Figure 5 a map showing the Grade B contour of the television station and the proposed antenna location. Also include discussion of the possibility of interference to the Channel 6 station and the steps proposed to remedy any interference which may occur.

Please refer to the attached Engineering Exhibit.

20. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1 - 107.9 MHz)? ☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A information required in 1/ (Except for class D (secondary) proposals).

21. If the proposed antenna location is in or near a populated area, attach Exhibit No. N/A a discussion of the possibility of blanketing and the steps proposed to remedy any interference which may occur.

Transmitter is in a rural area. However the 500 watts of power proposed would not normally cause blanketing problems.

22. Environmental Statement, See Part 1, Subpart I of the rules

Would a Commission grant of your application be a major action as defined by Section 1.1305 of the Commission's Rules? ☐ Yes ☒ No

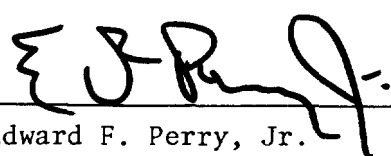
If Yes, attach as Exhibit No. N/A the required statement in accordance with Section 1.1311 of the Commission's Rules.

If No, explain briefly. The proposed tower will be only 200 feet above ground level.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Date January 14, 1984

☐ Technical Director
☐ Registered Professional Engineer
☒ Consulting Engineer
☐ Chief Operator
☐ Other (Specify)

Signature 

Edward F. Perry, Jr.
Address Box AA
(Include ZIP Code)
Duxbury, MA 02332

Telephone No. (617) 585-9200
(Include Area Code)

Broadcast Application	Section V-G (Antenna)	
ANTENNA AND SITE INFORMATION *(See Instruction B, Section I)*	NAME OF APPLICANT: Community Broadcasting,	CALL SIGN: -------
CLASS OF STATION: Class A FM	STATION LOCATION: Hobson City, Alabama	

FACILITIES REQUESTED

91.3 MHz, FM Channel 217A
500 watts erp, +462 feet HAAT

PURPOSE OF APPLICATION *(Put "X" in appropriate box)*

- [X] a. New antenna construction
- [ ] b. Alteration of existing antenna structure
- [ ] c. Change in location

LEGAL COUNSEL
Dr. Charles Knox

ADDRESS
NCBL, 4545 S. Drexel, Chicago, IL 60653

CONSULTING ENGINEER
Edward F. Perry, Jr.

ADDRESS
Box AA, Duxbury, MA 02331

3. Has the FAA been notified of proposed construction? *(Not necessary to file FCC Form 714.)*

- [ ] YES If yes, give date and office where notice was filed.
- [X] No A hill less than ½ mile from the proposed tower will shield structure from aircraft.

1. LOCATION OF ANTENNA

STATE	COUNTY	CITY OR TOWN
Alabama	Calhoun	Hobson City

Exact antenna location *(street address)*. If outside city limits, give name of nearest town and distance and direction of antenna from the town.

At Girl Scout Building off of Park Avenue

Geographical coordinates (to nearest second).
For directional antenna give coordinates of center of array.
For single vertical radiator give tower location.

North latitude	West longitude
33 ° 37 ' 03 "	85 ° 51 ' 46 "

2. Is the proposed site the same or immediately adjoing the transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission?

- [ ] YES
- [X] NO If yes, give call sign: N/A

4. FEATURES OF SURROUNDING TERRAIN

Attach as Figure 3 a chart on which is plotted the exact location of the antenna site, and also the relative location and height of any natural formation or existing man-made structures (trees, water tanks, towers, buildings, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft. The chart used shall be a 7.5 or 15 minute series topographic quadrangle (choice depending upon proximity of the antenna site to landing areas) or full scale photo copy. On the chart include 1) a scale of miles, 2) sufficient latitude and longitude lines, clearly labeled, so that the location of sites may be verified, and 3) all identifying map information. These charts may be purchased from the U.S. Geological Survey, Washington, D.C. 20242 or, for areas west of the Mississippi River, from the U.S. Geological Survey, Denver, Colorado 80225.

(Exception - Where the proposed antenna site is within the boundary of landing area, submit a self-made, large scale map showing antenna site runways and existing man-made structures).

5. List all landing areas within 10 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

	Landing Area	Distance	Direction
(a)	Anniston Municipal Airport	1.8 miles	South
(b)			
(c)			

6. Description of antenna system *(If directional, give spacing and orientation of towers).* 200 foot guyed tower supporting a four bay side-mounted FM transmitting antenna.

Type						
Description of tower(s)						
Self-supporting	Guyed X				Tubular (Pole)	
Tower (height figures should include obstruction lighting)	#1	#2	#3	#4	#5	#6
Height of radiating elements	185 ft.					
Overall height above ground	200 ft.					
Overall height above mean sea level	1240 ft.					

7. If a combination of AM, FM, or TV operation is proposed on the same multi-element array (either existing or proposed) attach as Exhibit No. N/A a horizontal plan for the proposed antenna system, giving heights of the elements above ground and showing their orientation and spacing in feet. Clearly indicate if any towers are existing.

8. Attach as Figure 1 **a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.**

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

January 14, 1984 *(date)* Signature Edward F. Perry, Jr. *(check appropriate box below)*

- [ ] Technical Director
- [ ] Chief Operator
- [ ] Registered Professional Engineer
- [X] Consultant

EDUCATIONAL FM ASSOCIATES • 19 Bolas Road • Duxbury, Massachusetts 02332
Telephone: (617) 585-9200

ENGINEERING EXHIBIT

1. INTRODUCTION

This Engineering Exhibit was prepared by Educational FM Associates on behalf of Sable Community Broadcasting, Corp. applicant for a new Class A educational FM broadcast station in Hobson City, Alabama. This exhibit is fully responsive to Sections V-B and V-G of FCC Form 340 and the data contained herein clearly demonstrates that the facilities requested are in conformity with the Technical Allocation Standards of the Federal Communications Commission. For the sake of clarity and convenience, illustrations and tables in this report are referenced as such rather than as separate exhibits. Data is cross-referenced in Sections V-B and V-G.

2. FACILITIES REQUESTED

Sable Community Broadcasting, Corp. requests authority to construct a new Class A educational FM broadcast station to operate on FM Channel 217A, 91.3 MHz, with an effective radiated power of 500 watts at Hobson City, Alabama. The proposed antenna radiation center will be 185 feet above ground level and 462 feet above average terrain.

3. SITE INFORMATION

The proposed antenna will be side-mounted on a 200 foot broadcast tower to be constructed at the Girl Scout Building off Park Avenue in Hobson City, Alabama. The proposed mounting arrangement is illustrated on Figure 1. Figure 3 locates the proposed site on a composite of the Oxford and Anniston, Alabama USCGS 7.5 Minute topographic maps.

4. ANTENNA INFORMATION

To achieve the 500 watt effective radiated power proposed, a 300 watt transmitter will be employed in conjunction with a Shively Laboratories Model 6812-4 four bay circularly polarized transmitting antenna which has a power gain of 3.000 db. Subtracting the 0.720 db of loss encountered in the 250 feet of 7/8 inch transmission line proposed, results in an antenna system gain of 2.28 db. Referenced to the transmitter output of 295 watts, this gain figure produces an effective radiated power of approximately 500 watts.

5. DETERMINATION OF ANTENNA HEIGHT ABOVE AVERAGE TERRAIN

Average elevation of the terrain surrounding the proposed transmitter site was determined by means of procedures prescribed in Paragraph 73.313 (d) of the Commission's Rules. Eight radials, one for every 45 degrees of horizontal azimuth, extending ten miles from the proposed antenna site were examined and the topographical data contained thereon charted on profile graphs, one of which pertains to each radial.

Measured radials are shown on Figure 2 which also illustrates the location of the proposed 60 dbu service contour. The following 7.5 Minute United States Coast and Geodetic Topographic Survey Quadrangles for the Hobson City, Alabama area were used to read elevations. They are not submitted as part of this Engineering Exhibit but have been retained in our files and will be made available to the Commission upon request.

Map	Radials in °True
Oxford, AL	0, 45, 90, 135, 180, 225, 270, 315
Anniston, AL	0, 45, 315
Jacksonville West, AL	0
Choccolocco, AL	45
Hollis Crossroads, AL	90, 135
Cheaha Mountain, AL	180
Munford, AL	225, 270
Eastaboga, AL	270
Eulaton, AL	315

Terrain features for a distance of ten miles along each radial were examined and data for areas between two and ten miles from the transmitter site was used to compute the average terrain elevation. Figure 4 depicts terrain on each radial. To ensure an accurate representation, 81 equidistant points of elevation were selected on each radial for distances between two and ten miles. Ten and twenty foot contour intervals were used to read and define elevation points. Average terrain on the eight radials considered is 763 feet above mean sea level.

The antenna radiation center will be located 15 feet from the top of the tower, 1225 feet above mean sea level and 462 feet above average terrain.

6. ALLOCATION STUDY

Locations of the pertinent service and interference contours were calculated as specified in Section 73.509 of the Rules of the Federal Communications Commission. Distance between facilities was obtained from measurements made on copies of aeronautical charts of the Hobson City, Alabama area. All distances were verified using procedures detailed in Section 73.208(c) of the Commission's Rules. The published F(50,10) curves were used to locate interference contours which fell more than ten miles from the station involved. The F(50,50) curves were used to locate service contours and all other contours reaching less than ten miles. The F(50,10) curves do not depict distances less than ten miles; however, the F(50,10) and F(50,50) curves merge at the ten mile point. The FM curves adopted August 1, 1975 were utilized in all calculations.

When a facility under study was authorized greater than Class D facilities, the actual height of the antenna above average terrain was taken into account when locating signal contours. When, as in most cases, the direct radial from the station under study to the proposed site was not one of those for which a height above average terrain was deter-

mined, the average terrain for the direct bearing between stations was interpolated arithmetically from data given for radials on either side.

7. DETAILED CO-CHANNEL AND ADJACENT CHANNEL STUDY

Table 1 lists facilities studied to determine that no objectionable interference will be created or received by the facilities proposed by Sable Community Broadcasting, Corp.

Table 1

Stations Requiring Detailed Study

Channel	Station	Location	Distance in Miles Actual	Distance in Miles Required
214A	WWGC	Carrolton, GA	48.9	15.2[1]
214C	CP	Montgomery, AL	79.3	58.3[2]
215C	APP.	La Grange, GA	67.8	61.5[2]
215C	WAED	Huntsville, AL	85.2	61.5[2]
216A	WVSU	Birmingham, AL	54.9	34.0[1]
216C	WREK	Atlanta, GA	84.6	63.0[3]
218A	WEXP	Gadsen, AL	27.0	26.6[4]
220A	WLJS	Jacksonville, AL	15.4	15.2[1]

NOTE: Required separation is based on the proposed technical facilities and on the following assumptions for the other stations involved.

1. For WWGC, WVSU, and WLJS: Maximum Class A facilities of +4.8 dbk erp at 300 feet HAAT.

2. For CP in Montgomery, AL, application in La Grange, GA, and WAED: Maximum Class C facilities of +20 dbk at 2000 feet HAAT.

3. For WREK: +16dbk erp at a "worst case" HAAT of 600 feet. 54 dbu = 50 miles.

4. For WEXP: +5.4 dbk at 100 feet HAAT on the direct 164° bearing toward the proposed site. WEXP 600 dbu toward WEXP = 18.0 mi., 60 dbu = 12.0 miles.

8. SPECIAL CONSIDERATION REGARDING TELEVISION CHANNEL 6

The proposed antenna site in Hobson, Alabama lies inside the Grade B contour of Television Channel 6, WBRC-TV in Birmingham, Alabama. Because of the relatively low power and high frequency proposed, no interference complaints are expected with respect to Channel 6 reception. However, should problems develop, Sable Community Broadcasting, Corp. will abide by the Commission's Policies, Rules, and Guidelines in resolving any television interference problems.

9. ALLOCATION CONCLUSION

The Class A facilties proposed by Sable Community Broadcasting, Corp. will neither create nor receive interference with respect to any authorized or proposed broadcast station. The proposal is, therefore, in full complicance with the technical allocation standards of the Federal Communications Commission as they relate to education FM broadcast assignments.

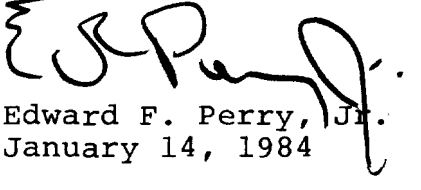
10 AERONAUTICAL DATA

Figure 3 located the proposed transmitter site on a composite of the Oxford and Anniston, Alabama USCGS 7.5 Minute Quadrangle Maps. Figure 1 illustrates the proposed antenna

support system. All other information required by the Commission is supplied in Section V-G (Antenna) of FCC Form 340. Notification of the proposed construction has not been submitted to the FAA since a mountain peak 0.5 mile northwest of the proposed site exceeds the height of the proposed tower by more than 300 feet and will shield the structure from aircraft.

All airports and landing areas within ten miles of the proposed site are listed in Paragraph 5 of Section V-G, Form 340.

Respectfully submitted,
EDUCATIONAL FM ASSOCIATES



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January 14, 1984

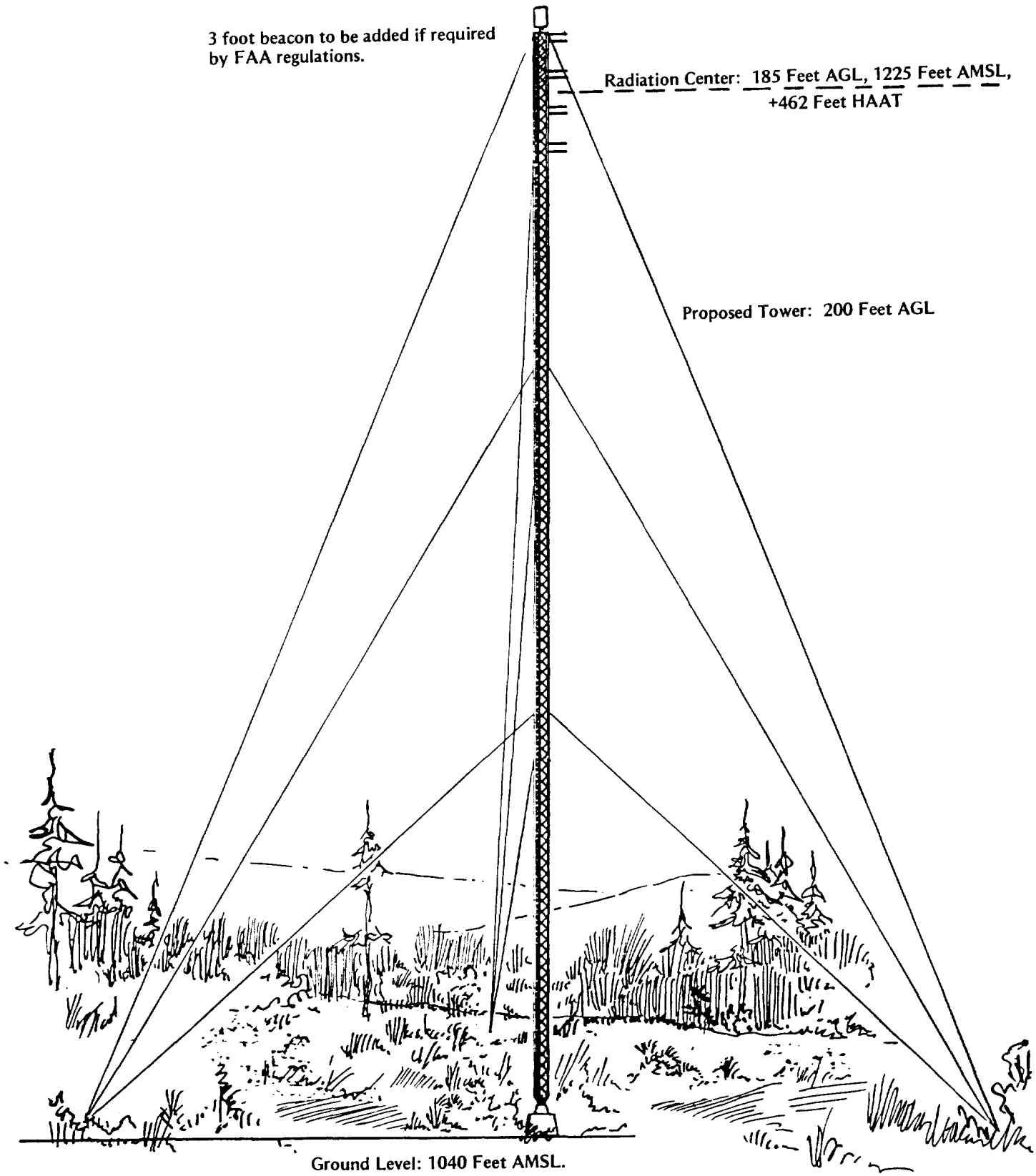


Figure 1. Antenna Sketch.

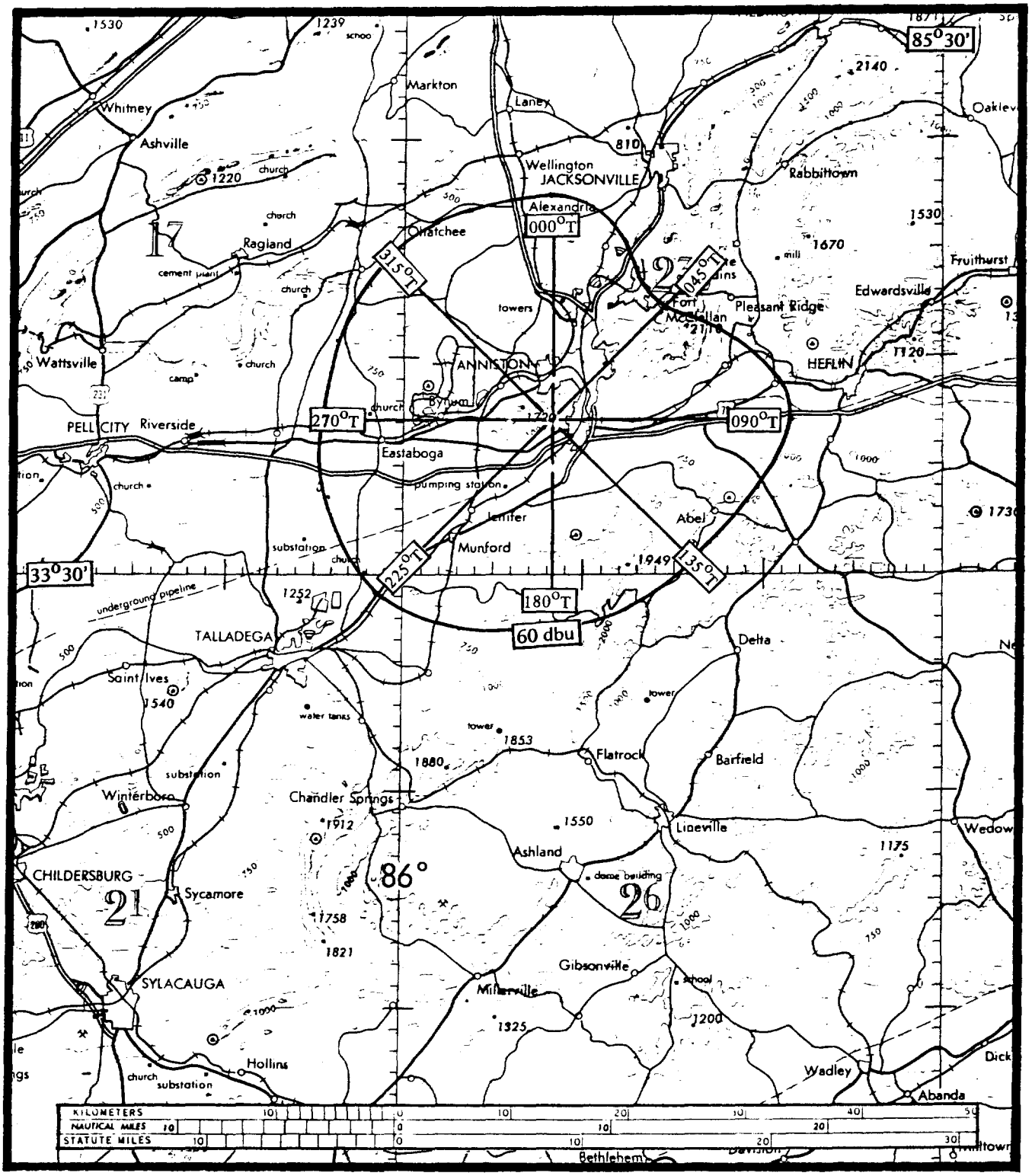


Figure 2. Location of Radials Studied and Proposed 60 dbu Service Contour.

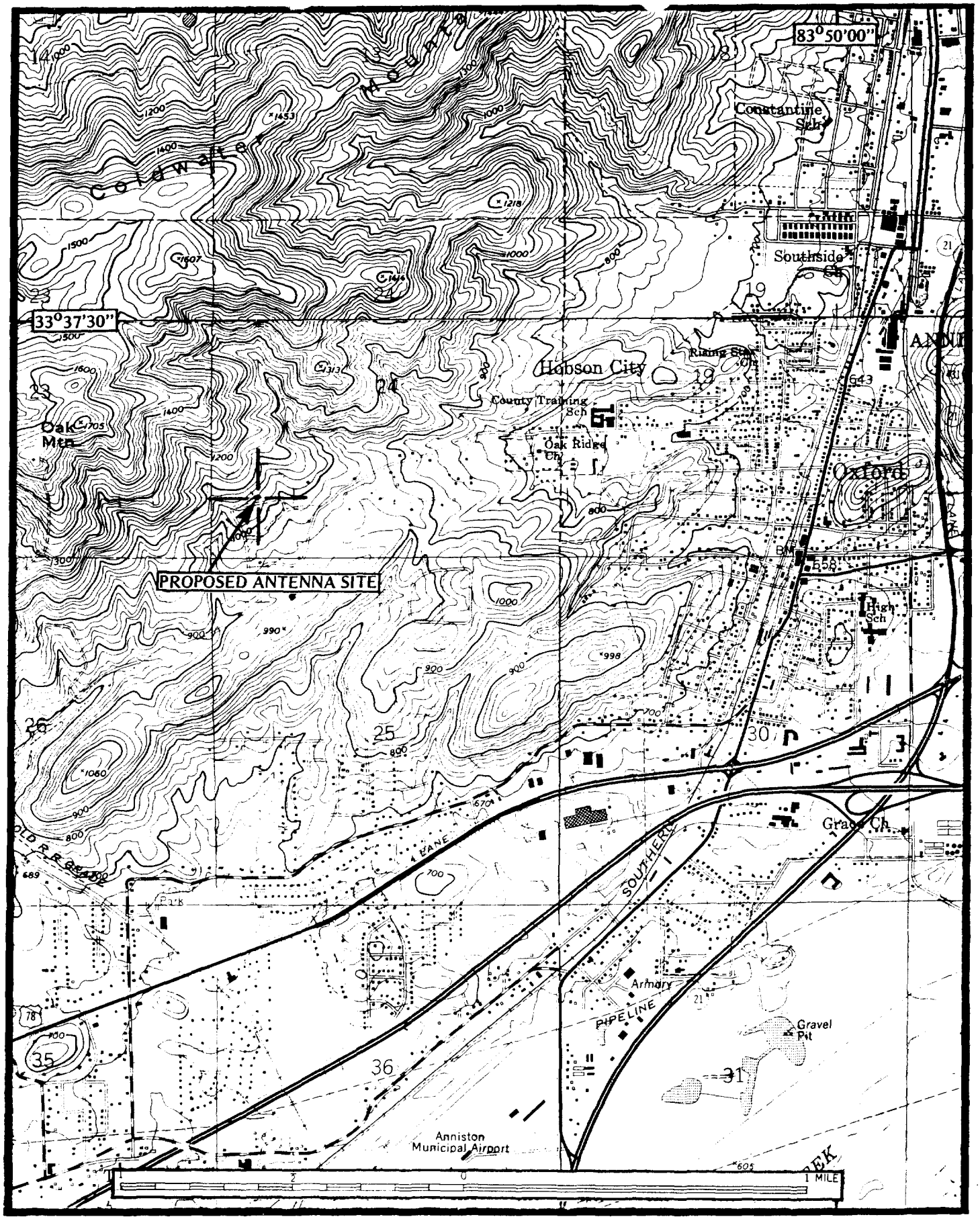


Figure 3. Location of Proposed Antenna Site.

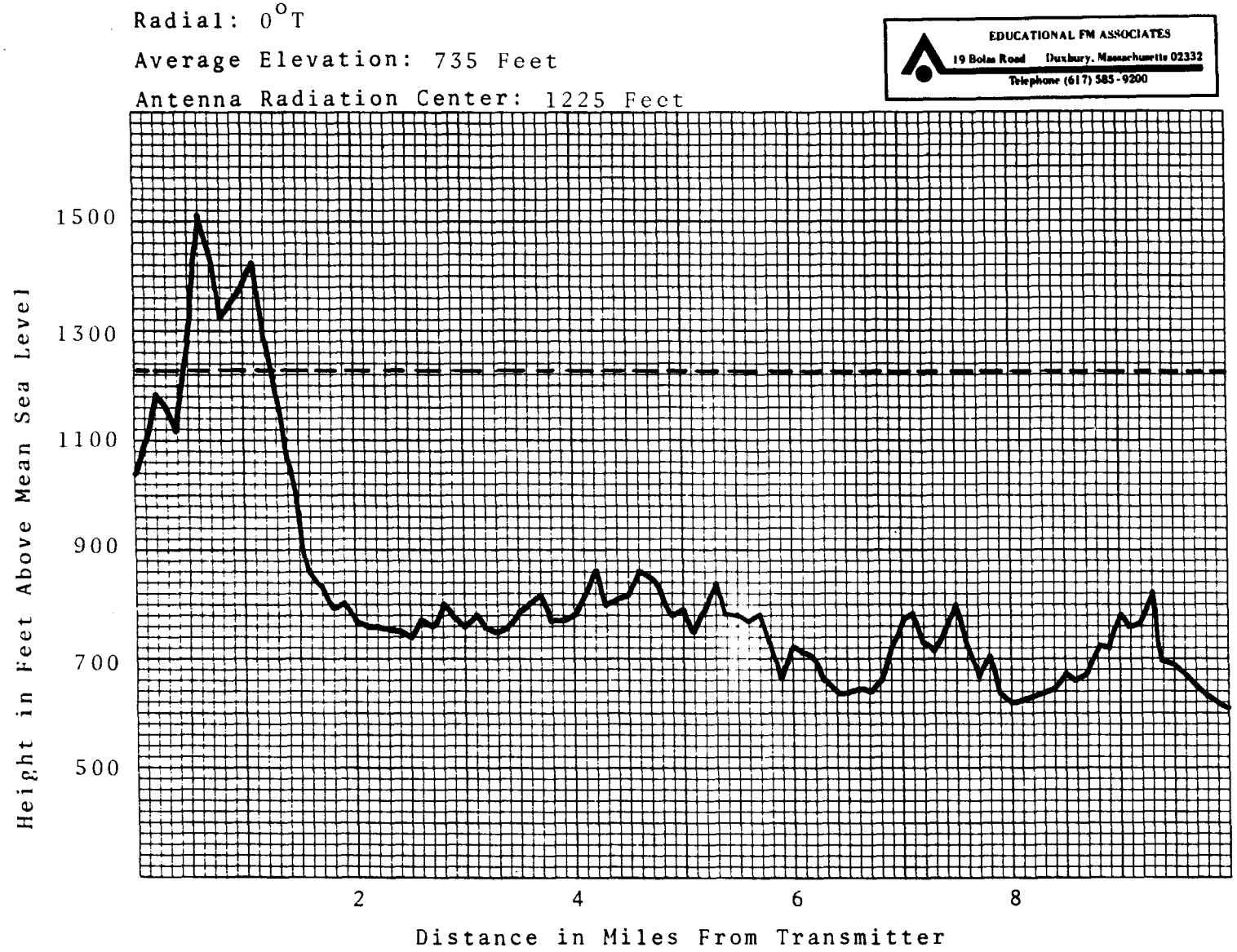
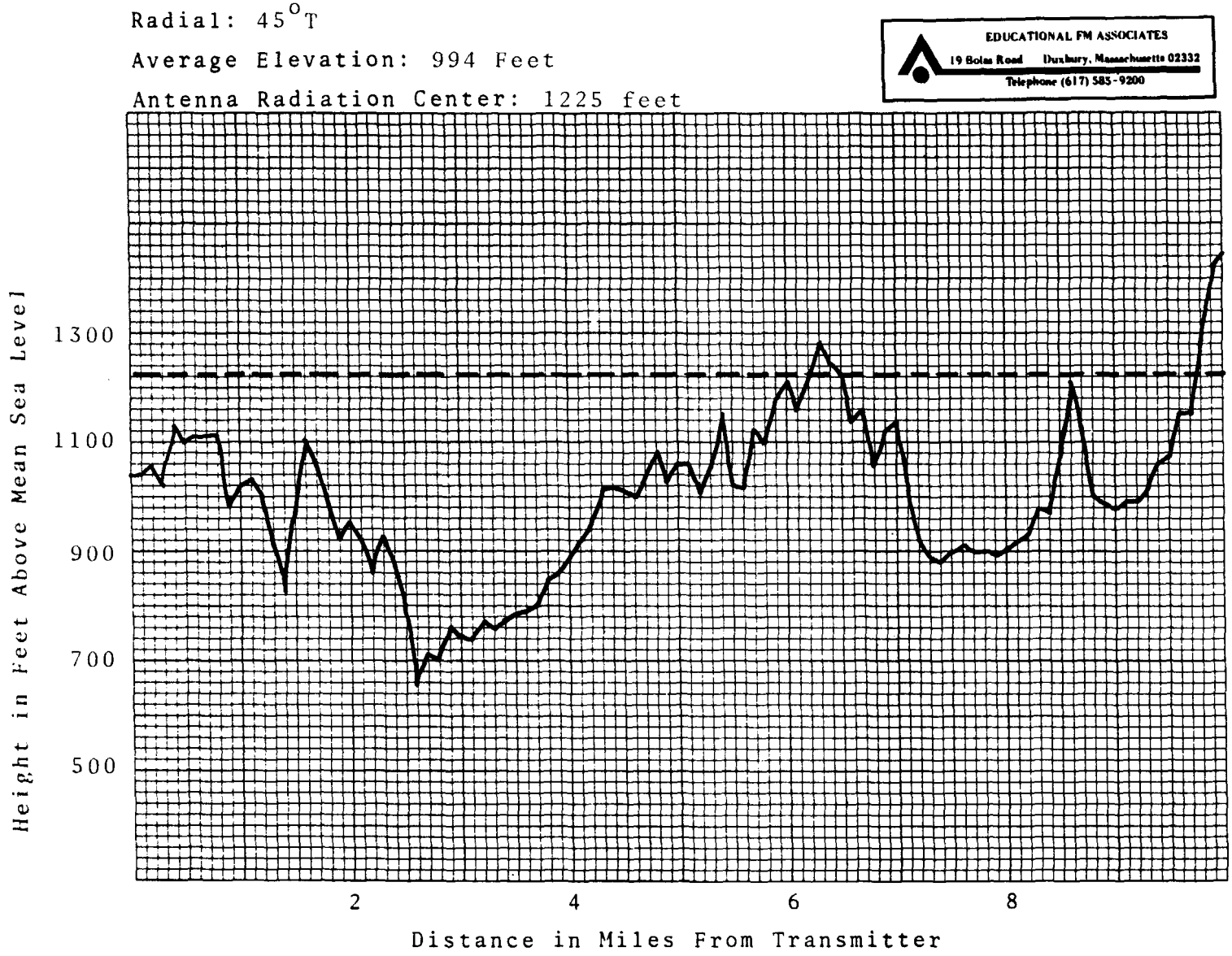


Figure 4. Profile Graphs of Radials Studied



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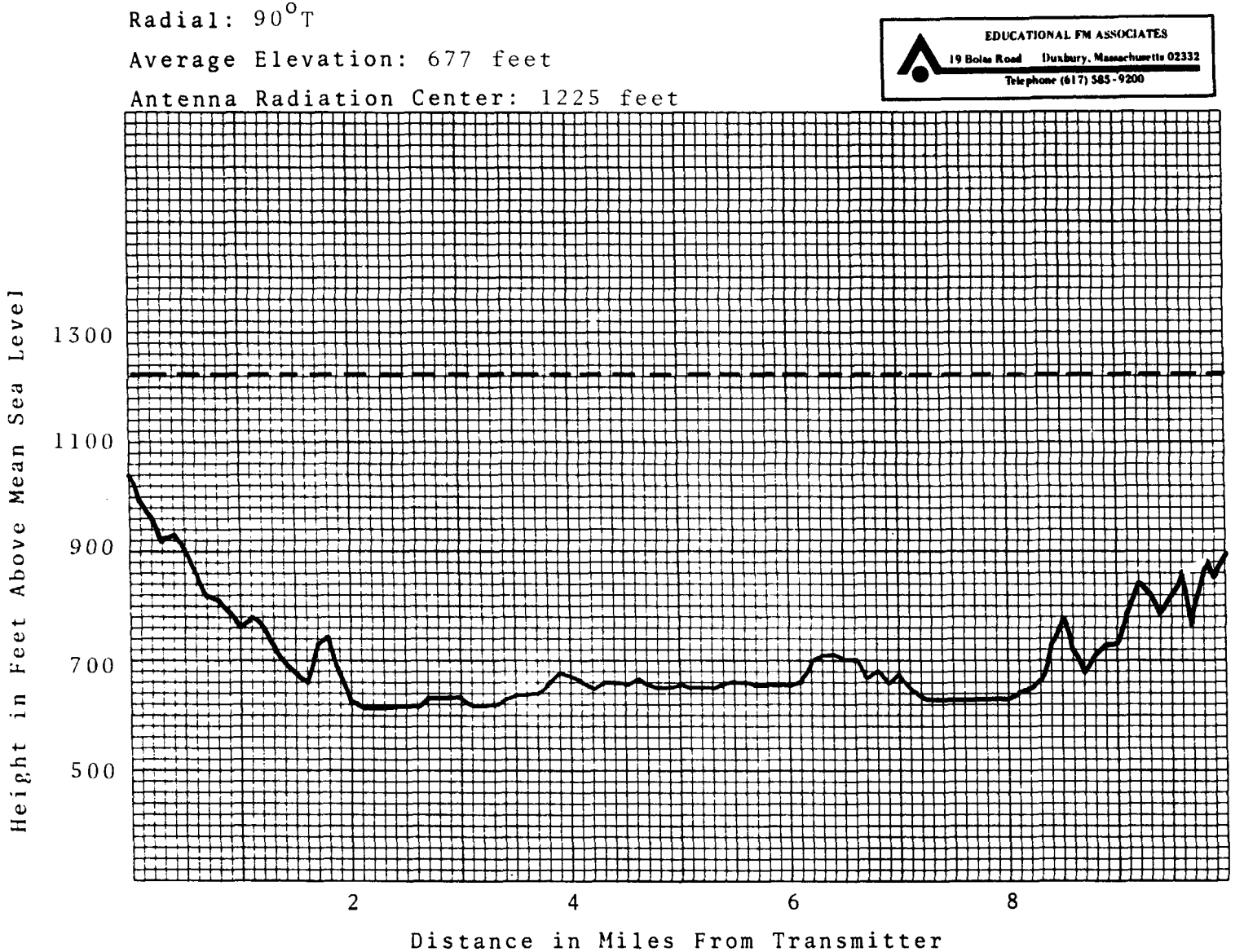

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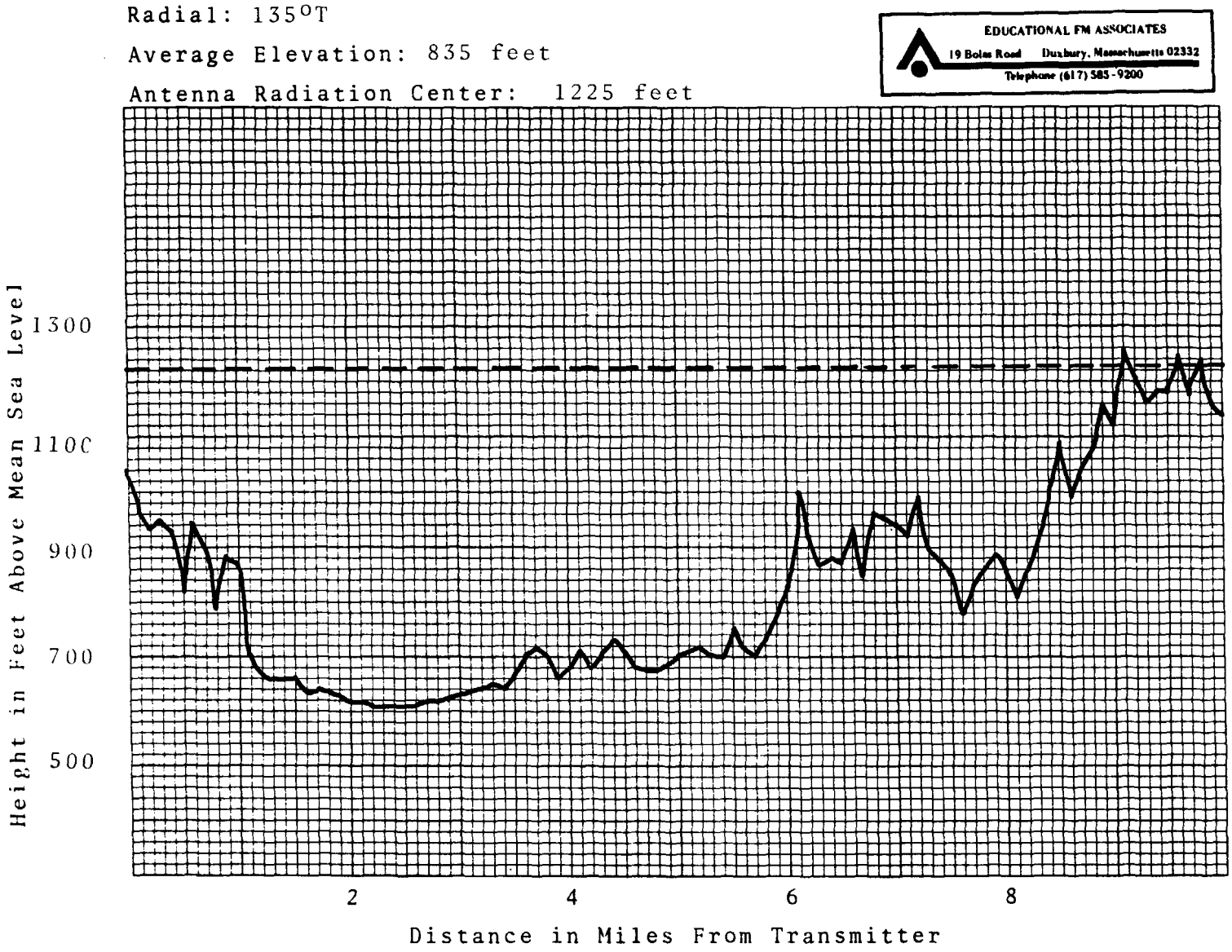

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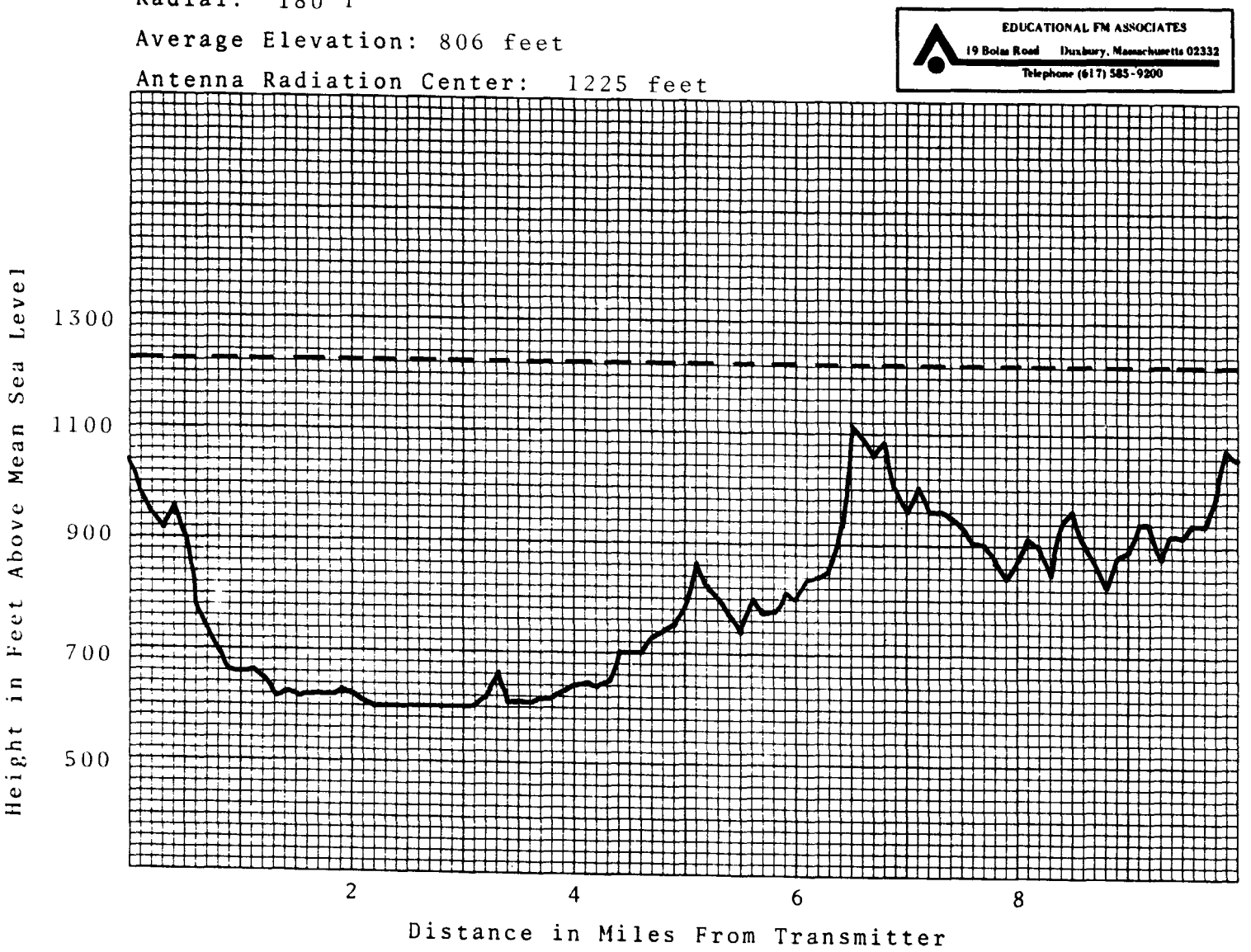

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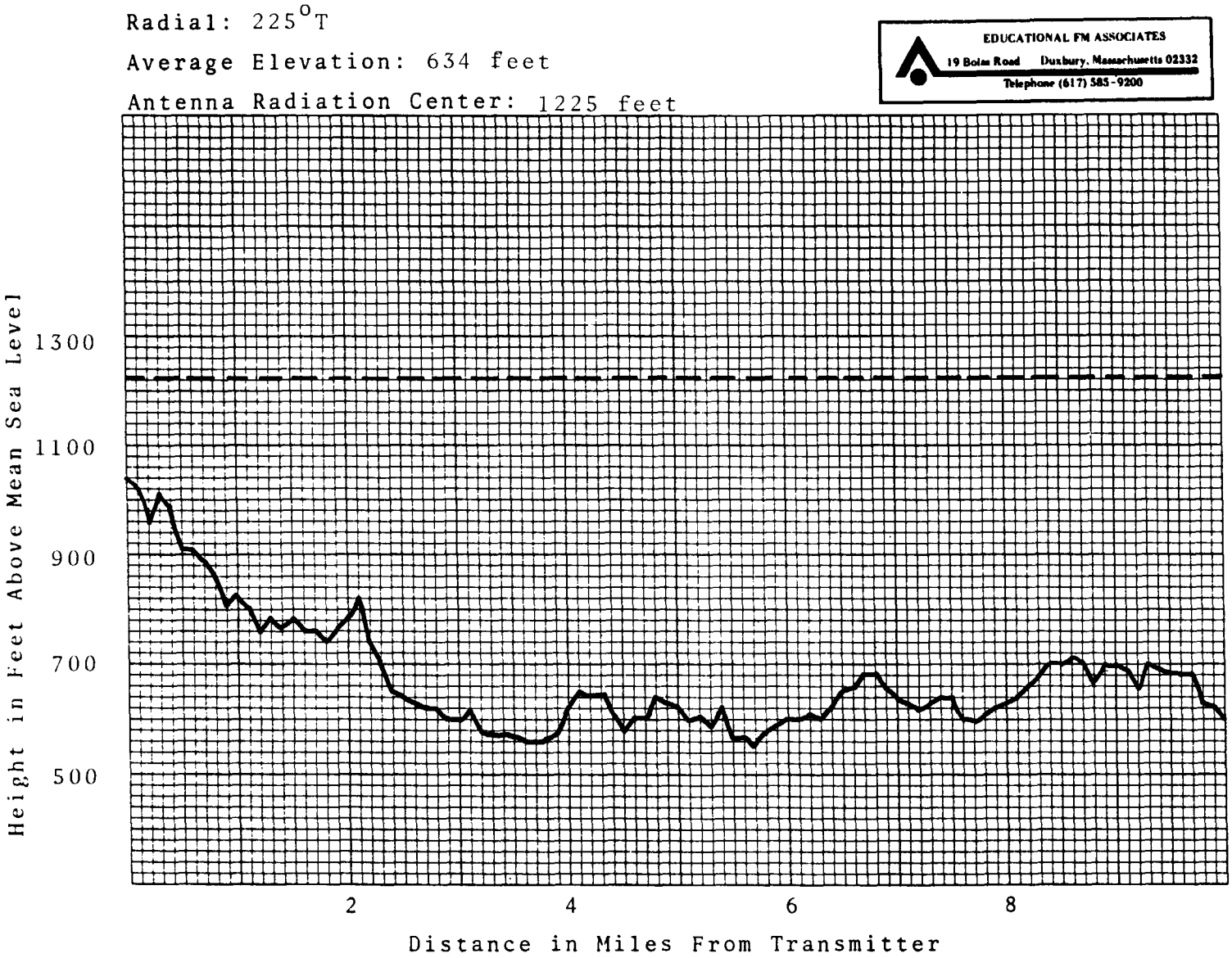

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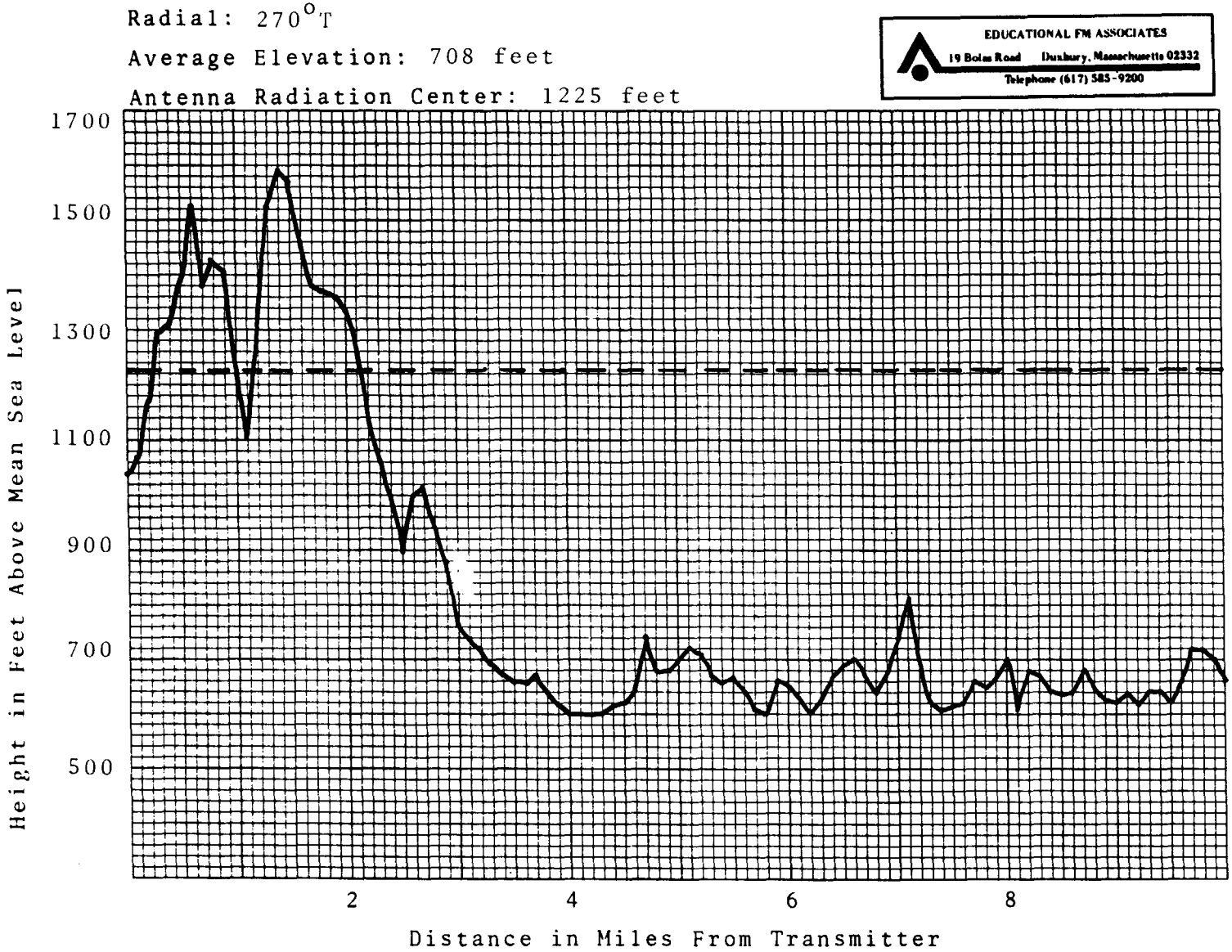

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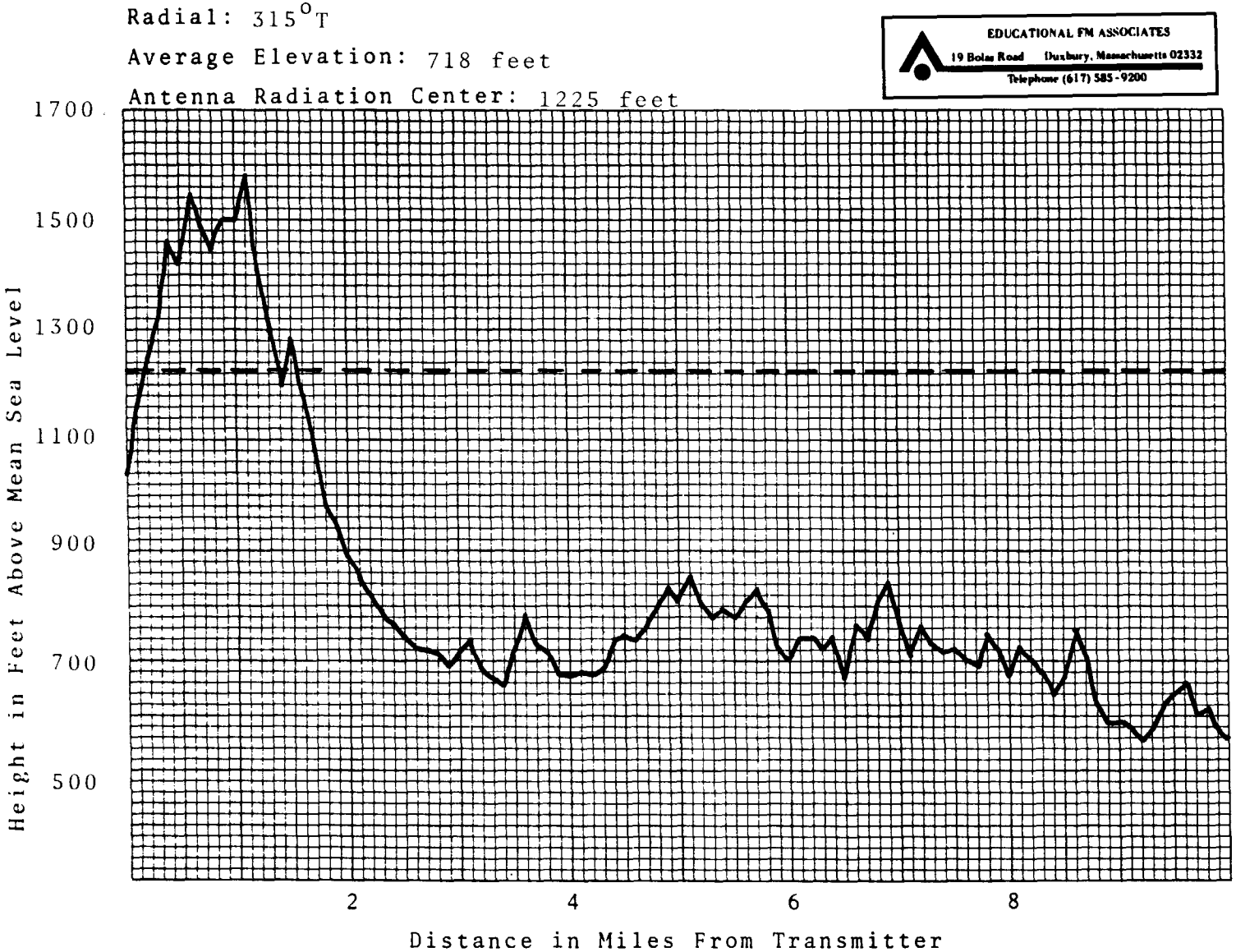

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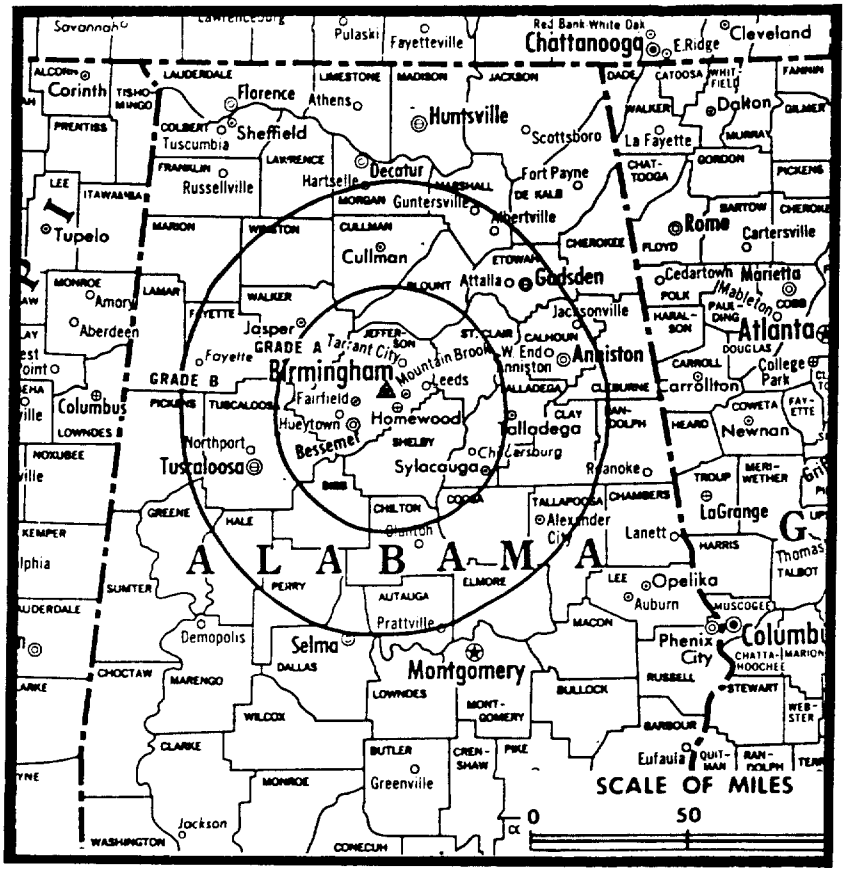

Figure 5. Location of WBRC Channel 6 TV Contours.